

A division of Troy Sheet Metal Works, Inc.
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Part No: TP-21DUR-XXXX, PS-21DUR-MNT
Description: Rear cage with side panels

Vehicle: Dodge Durango
Model year: 2021



Tools Required

5/32 allen key	3/8 socket	7mm socket	1 1/4" drill bit or hole saw	Assorted screwdrivers
3/16 allen key	7/16 socket	18mm socket	25/64" drill bit	
4mm allen key	1/2 socket	T50 socket	Utility knife	
	9/16 socket	7/8 wrench (optional)		
	5/8 socket			
	3/4 socket			

Troy Products recommends reading through all installation instructions prior to installation to check all necessary parts have been included. To comply with manufacturer's safety ratings, all OEM self-threading bolts that are removed must be discarded and replaced with unused bolts at manufacturer's torque requirement.

I.) Vehicle preparation:

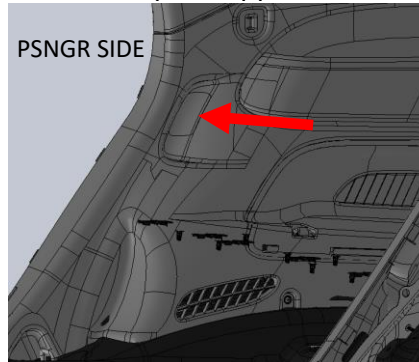
- 1.) Remove OEM seats.
 - a. Remove side sill trim from driver and passenger sides of second row.
 - b. Pull back plastic trim from front mounting points of second row seat and, using 18mm socket, remove two outer mounting studs and two inner mounting screws.
 - c. To fully remove bench seat, rear latching system of seat must be unlocked. On the rear outer undersides of the seat, two pairs of cables are exposed. The cables must both be pulled outward to unlock the "claw" which holds the seat down.



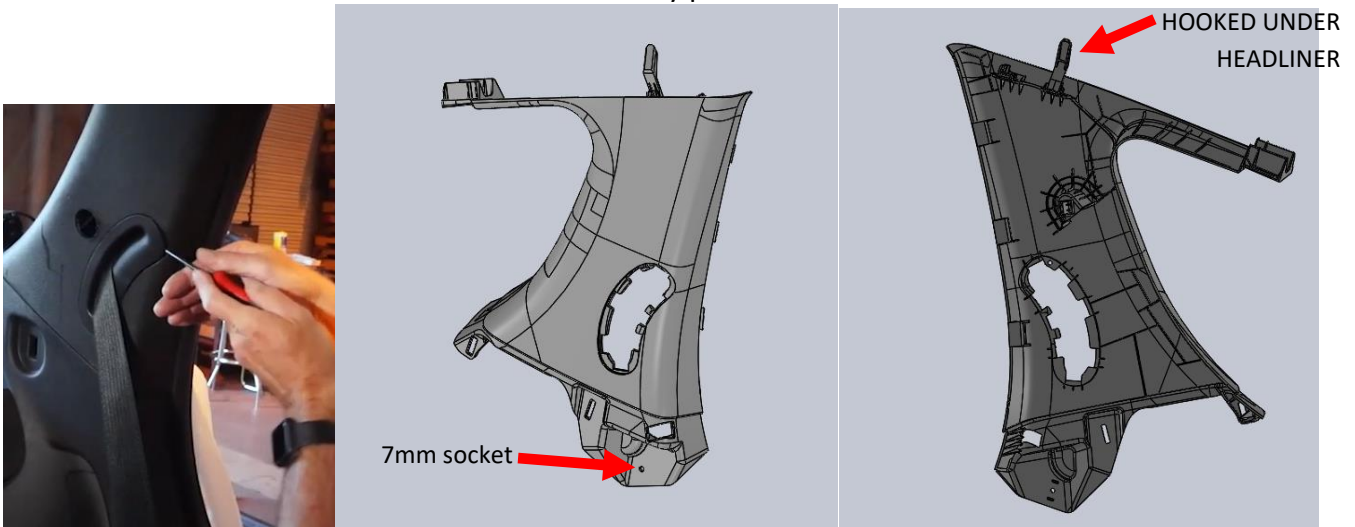
- 2.) Pull back door sill trim from rear edge of second row doors.



- 3.) Open screw compartment shown and remove exposed screw with a 7mm socket. Pull lower trim away from door frame to expose upper trim,



- 4.) Remove C Pillar upper trim mounting screw with 7mm socket. Remove belt cover from C-Pillar trim with screwdriver or body panel removal tool. Pull trim free of vehicle.



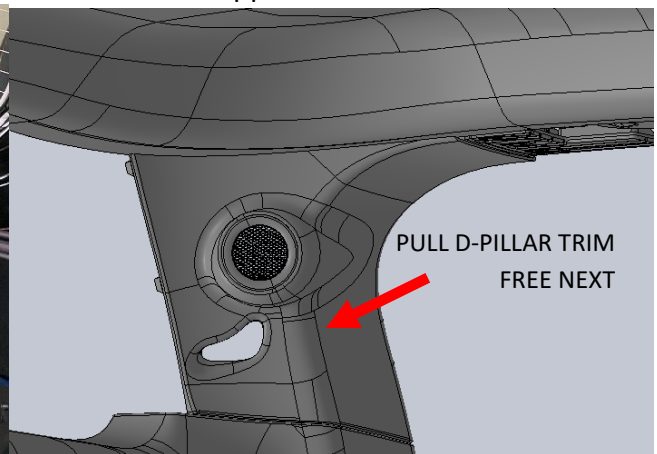
- 5.) Remove upper and lower C-pillar seatbelt mounting screws with T50 driver. Feed belt and components through belt cover. Do not discard or cut belt cover. Wrap seatbelt, tongue, and lower mount in plastic bag or bubble wrap and secure inside lower trim



- 6.) Re-insert C-Pillar upper trim but not belt cover. Leave lower trim loose; do not re-insert floor sill trim.
- 7.) Use the PTS drilling template to drill a pilot hole in the C-Pillar trims. Drill these pilot holes out with a 1 ¼ hole saw.



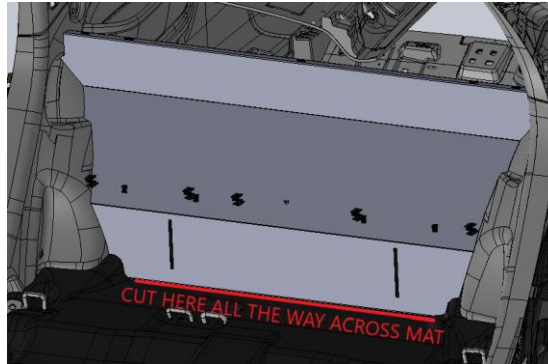
- 8.) Pull upper cargo area trim free, then remove D-Pillar upper trim.



- 9.) Install side panel rear brackets (#ubd, #ubp) with 4mm allen key and provided M6-1 x 25mm screws. Distance between brackets, measured from base of PEM studs, should be approximately 42". Replace D-Pillar and center trim.

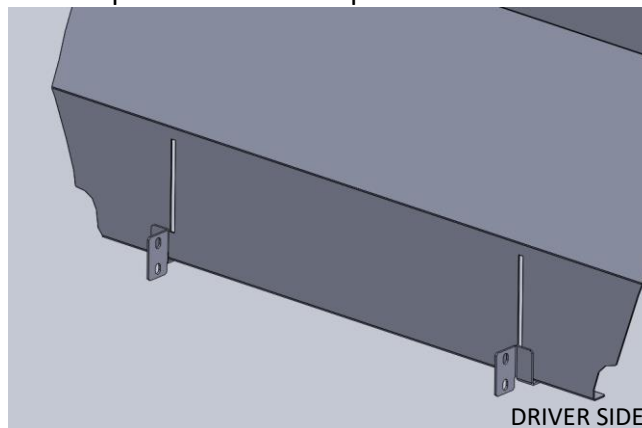


- 10.) Place partition lower in vehicle (#lp) and mark rubber mat along the front edge of the partition. Remove the partition, cut the mat here, and dispose of the front section of mat. Mat will need to be cut all the way across; this will require reaching behind lower c-pillar trim. Lower trim can then be secured and floor sill trim can be re-attached

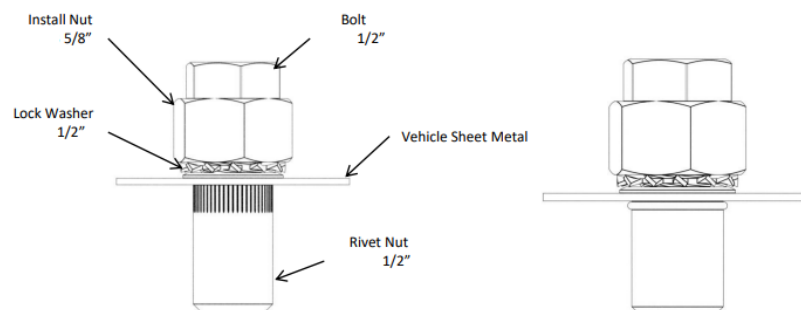


II.) Install partition and seat mount:

- 11.) Attach foot brackets (#fbd, #fbp) to lower partition (#lp) as shown and loosely secure with 7/16 socket using provided 1/4-20 nylon lock nuts. Place partition lower in vehicle as before. Ensure partition sits on top of mat.

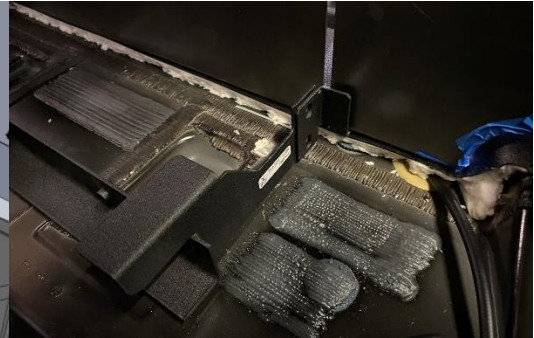
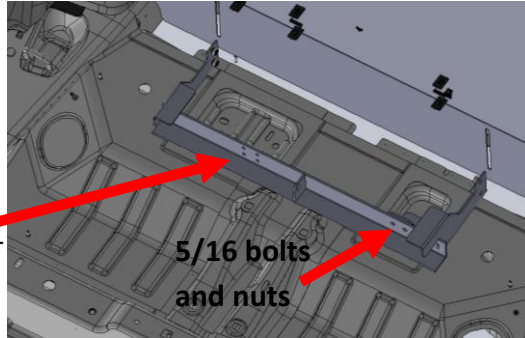


- 12.) Drill out marked hole with 11/16 drill bit and install 1/2-13 rivet nut. Nut can be installed using provided 5/8 nut and 7/8 open end wrench as installation tool.

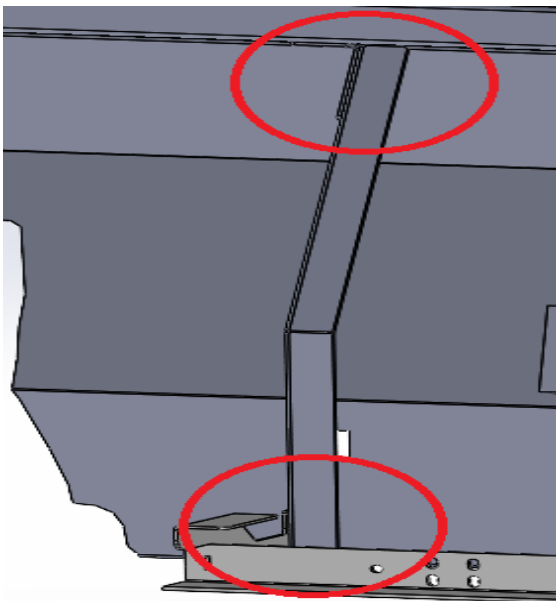


- 13.) Place base weldment on floor (#bw) and secure to seat mount bar with provided ¼-20 U-bolts and ¼-20 nuts using 7/16 socket. Attach base weldment bracket (#bb) to rivet nut and secure to base weldment with provided 5/16-18 screws and nylon lock nuts using ½ socket. Ensure base weldment legs are inside of partition mounting feet.

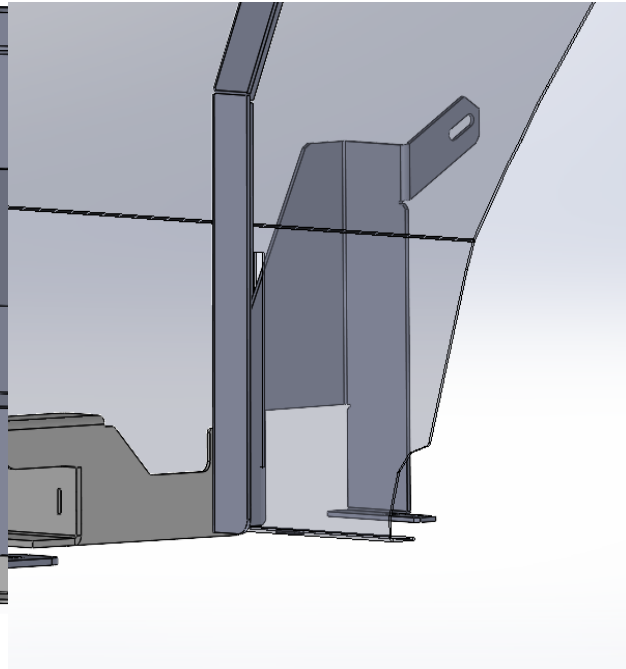
¼-20 U-bolts
around seat bar



- 14.) Attach feet to base weldment using four provided 3/8-16 x 1 screws and 9/16 socket.
- a. Ensure screws fasten base weldment to seat legs and lower partition mounting feet.
 - b. If a cargo mount is to be used, ensure cargo mount brackets (#cpbd, #cpbp) are also fastened at this stage. Use 3/8-16 x 1.25 BHCS included with cargo mount, installed with a 7/32 allen.

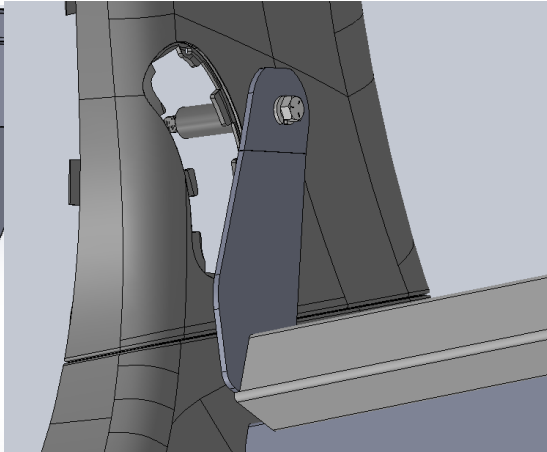
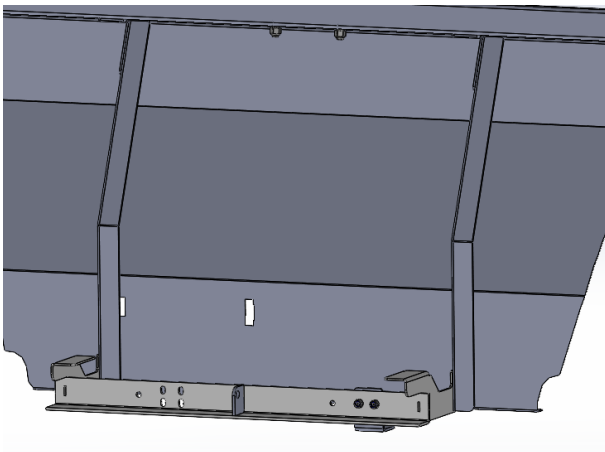


NOTE: PASSENGER FOOT POSITION

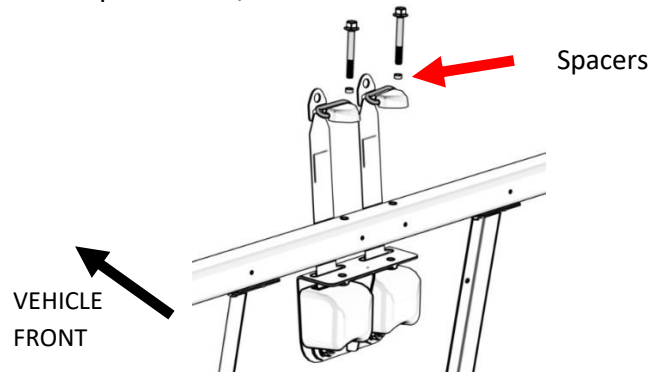


*Pictured above is the position of the passenger leg (left), driver leg (right). If cargo mount bracket installed see location for mounting.

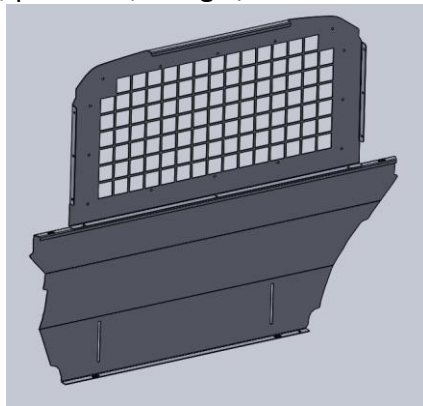
- 15.) Insert seat mount tube (#tubw) in vehicle as shown. Place tube spacer behind C-Pillar trim by inserting it through seatbelt hole and place provided 7/16-20 x 3" screw and lock washer through tube ear and into seatbelt mount hole. Bolt tube to legs installed in previous step using four provided 3/8-16 x 1 screws and 9/16 socket. Driver side shown below.



- 16.) Mount retractor bracket to square tube as shown using two provided 7/16-18 x 3 screws and retractor spacers. Covers screws with provided plastic caps.
- a. If retractors come loose, they will need to be fastened to retractor bracket (#rbw) with two provided 7/16-20



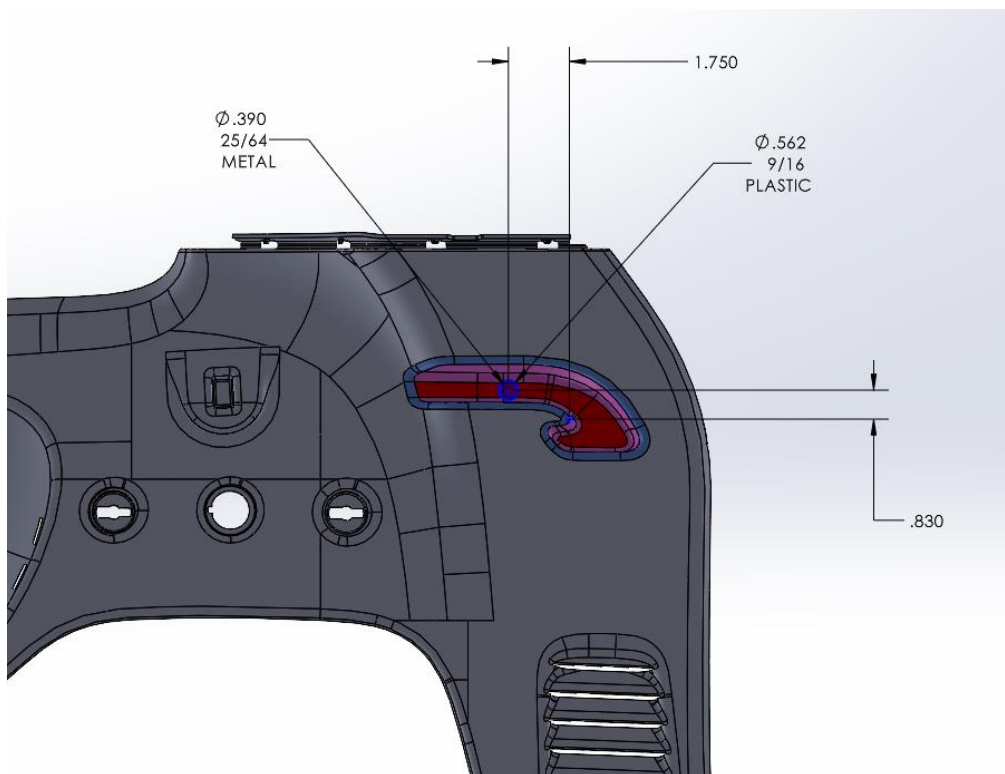
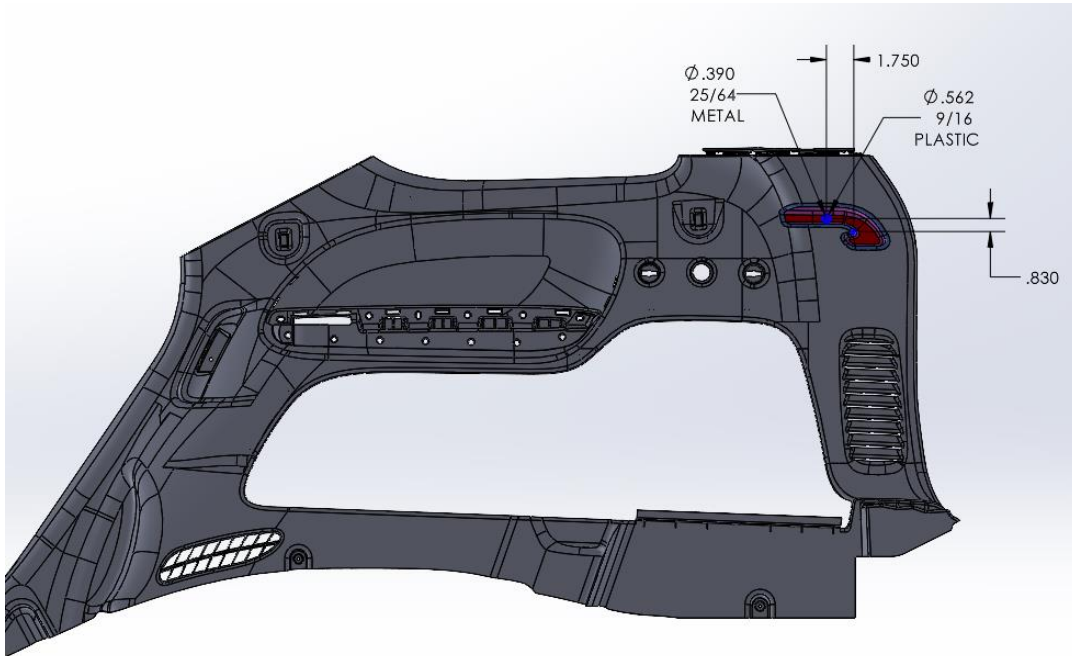
- 17.) Fasten upper partition panel (#up) to lower using three ¼-20x0.625 screws, nylon lock nuts, and washers, provided, using 7/16 socket and 5/32 allen key.



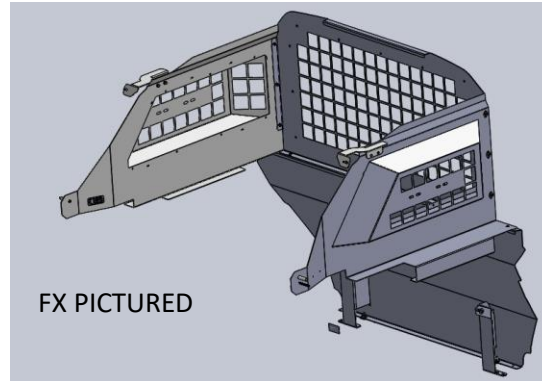
REAR PANEL INSTALLATION

18.) Rear panel installation:

Begin by drilling a hole with 9/16" drill bit, ONLY DRILL INTO THE PLASTIC. Once you have penetrated the plastic, begin drilling a .390 or 25/64 hole in which will be used to hold the rivet nut as referenced below. Once the holes have been drilled, continue with the following installation instructions: * Install ¼-20 rivet nut as in step 12, or use rivet nut gun. Loosely fasten to D-pillar brackets with two ¼-20 nylon lock nuts and washers, provided, using 7/16 socket. Loosely fasten to upper partition with two ¼-20-0.625 screws, nylon lock nuts, and washers. Install ¼-20 rivet nut as in step 12 or use rivet nut gun.



- 19.) Place side panels in place. Options for side panels include flat square punched panels and fire extinguisher cubbies, listed below. Fasten to D-pillar brackets with two ¼-20 nylon lock nuts and washers, provided, using 7/16 socket. Fasten to upper partition with two ¼-20-0.625 screws, nylon lock nuts, and washers, provided. Use two ¼-20 x 2" screws and tube spacers to attach rear mounting points of side panels to vehicle.
- a. Square punched flat panels
 - i. RP-21DUR-R-#dp
 - ii. RP-21DUR-R-#pp
 - b. Fire extinguisher cubbies
 - i. AC-21DUR-DS-FX
 - ii. AC-21DUR-PS-FX



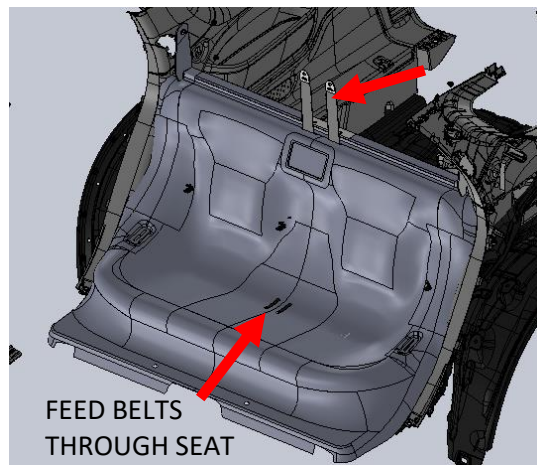
- 20.)
- 21.) Tighten any loose fasteners.

III.) Install Plastic Seat

- 22.) Attach hip side tongue to floor with OEM M12-1.75 x 60 bolts torqued to manufacturer spec. Repeat process on passenger side.



- 23.) Place side trim on seat (P451) along passenger and driver side edges. Place plastic seat in vehicle. Pull side tongues from step 20 up through seat slots. Used toothed c-retainer (PY08) to hold belts in place. Secure retainer with square drive pan head #10 x 0.75" self tapping screws.
- 24.) Feed seat belts through seat where shown. Attach belt tabs to center tab in base weldment with 7/16-20 bolt and nut using 5/8 and 11/16 sockets. Repeat process on passenger side.

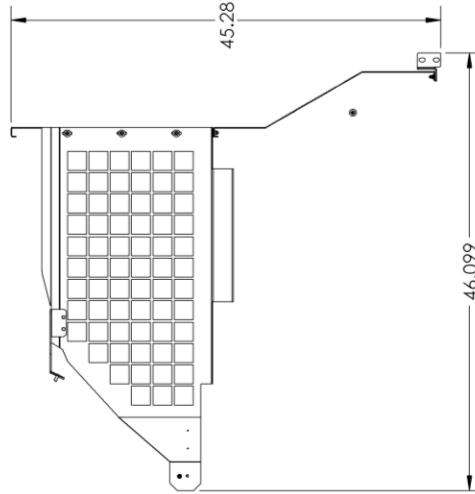
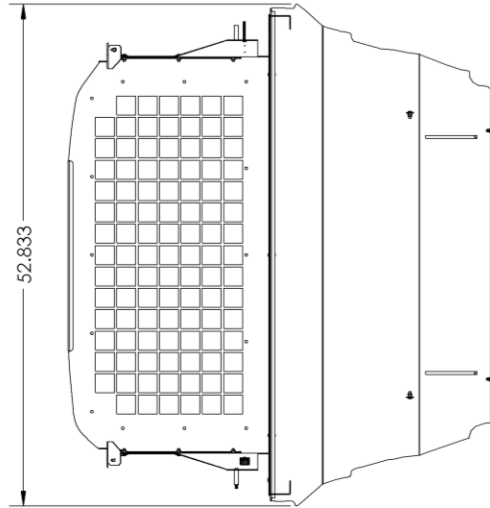
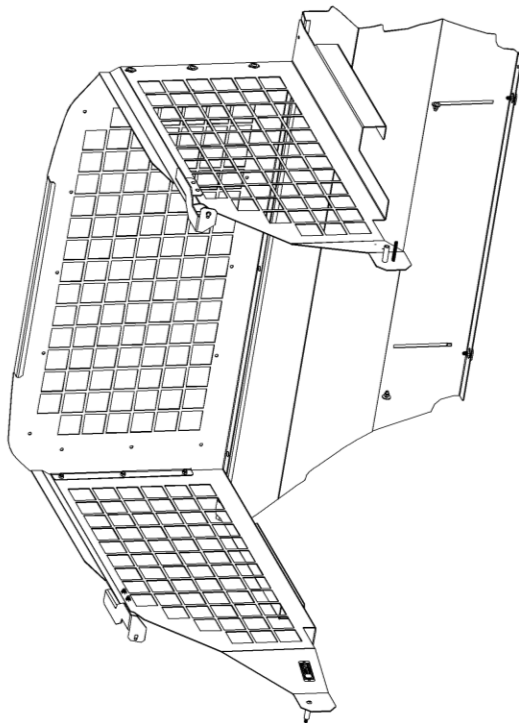


- 25.) Bolt seat to floor using OEM M12-1.75 x 60 bolts. Use provided sheet metal screws to secure seat to cross tube (#tubw).
- 26.) Secure storage tongue (P003) to front partition as needed using sheet metal screws.

Your installation is now complete. If you have any questions or suggestions for adding additional instructions, please call **Customer Service at (800) 700-8769**.

6 5 4 3 2 1

REVISIONS			
ZONE	REV.	DESCRIPTION	DATE
			APPROVED



ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	TP-DUR18-R-#ubd	Driver side upper bracket	1
2	TP-DUR18-R-#ubp	Passenger side upper bracket	1
3	TP-21DUR-FX2-#lp	LOWER PANEL	1
4	TP-21DUR-FX2-#up	UPPER PANEL	1
5	TP-21DUR-FX2-#fbp	FOOT BRACKET, DRIVER	1
6	TP-21DUR-FX2-#fbd	FOOT BRACKET, DRIVER	1
7	RP-21DUR-R-#dp	SIDE PANEL, DRIVER	1
8	RP-21DUR-R-#pp	SIDE PANEL, DRIVER	1
9	TP-DUR18-R-#spcr	Spacer tube	2
10	3-PAK-TPLOGO	Troy Products Logo	1
11	1-FST-02-91654A	# 4 x 3/16 drive screw	2
12	TP-21DUR-FX2-#hw	PARTITION LOOSE HARDWARE	1
13	3-PAK-580825	58 x 8 x 25 Box	1
14	3-PAK-FLATSH	36" x 48" correg sht	1

TP-21DUR-XXXX & PS-21DUR-MNT



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TITLE:			
2018 Durango Rear	NAME	DATE	
Cage w/ Dual FX Cubby	PFM	6/17/2021	
	DESIGNER		
	ENG APPR.		
	MFG APPR.		
	G.A.		
	COMMENTS:		
	NO FINISH		
	DO NOT SCALE DRAWING		

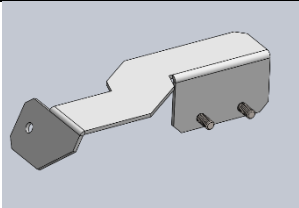
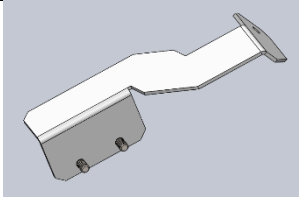
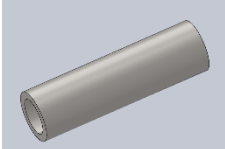
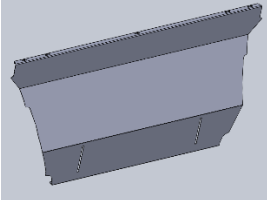
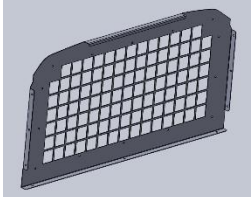
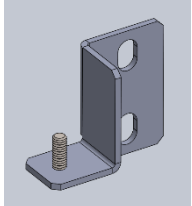
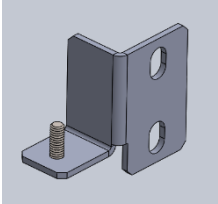
SIZE	DWG. NO.	REV
B	TP-21DUR-R	A
SCALE:	1:10	SHEET 1 OF 1

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TP-21DUR & PS-21DUR-MNT

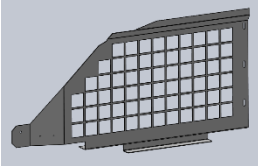
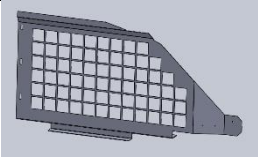
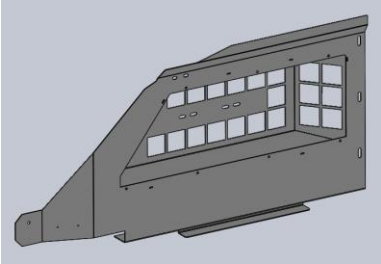
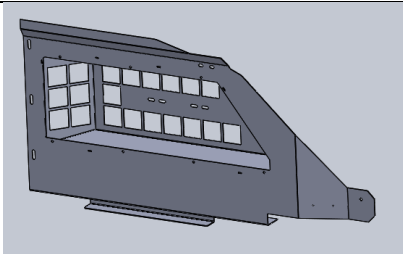
BILL OF MATERIALS

A. Parts

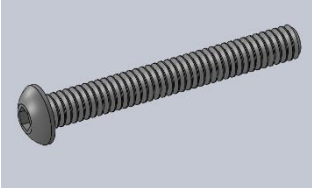
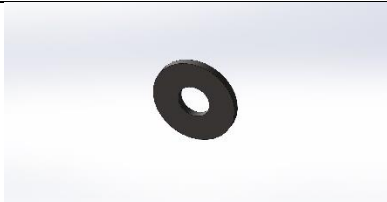
Part #	Description	Qty.	Picture
TP-DUR18-R-#ubd	Driver side upper bracket	1	
TP-DUR18-R-#ubp	Passenger side upper bracket	1	
TP-DUR18-R-#socr	Tube spacer	2	
TP-21DUR-FX2-#lp	Lower panel	1	
TP-21DUR-FX2-#up	Upper panel	1	
TP-21DUR-FX2-#fbp	Passenger foot bracket	1	
TP-21DUR-FX2-#fbd	Driver foot bracket	1	

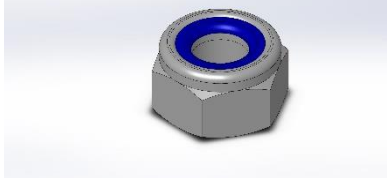
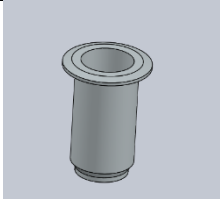
TP-21DUR-XXXX & PS-21DUR-MNT

Side Panel Options

RP-21DUR-R-#dp	Side Panel, Driver	Option	
RP-21DUR-R-#pp	Side Panel, Passenger	Option	
AC-21DUR-DS-FX	Fire extinguisher mount, driver	Option	
AC-21DUR-PS-FX	Fire extinguisher mount, passenger	Option	

B. Hardware

1-FST-06-60870	¼-20 X 2" Button Head Screw	2	
1-FST-50-60800	¼" black flat washer	15	
1-FST-06-60825	¼-20 x 5/8" button head socket screw	13	

1-FST-35-31000	¼-20 nylon lock nut	19	
1-FST-43-25020	¼-20 Rivet Nut	2	
1-FST-05-M6116	M6-1 x 16 Button Head Screw	2	